PHOTOGRAPHIC INTERPRETATION REPORT

OLOVYANNAYA ICBM COMPLEX USSR

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TOP SECRET

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PREFACE

This report updates and supersedes TCS-80525/66, Olovyannaya ICBM Complex, USSR, 1/ the initial report in a series prepared in response to CIA Requirement C-DI5-82,972 requesting detailed line drawings, to scale, of elements of the complex. The information contained herein is based on KEYHOLE photography through [redacted] Individual reports will be updated periodically to reflect changes observed on subsequent photography.

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OLOVYANNAYA ICBM COMPLEX, USSR

The Olovyannaya ICBM Complex (Figure 1) is in the mountainous southeastern corner of Central Siberia, less than 50 nm from the border of Mongolia. The largest city within a radius of over 500 nm is Chita, about 105 nm northwest of the complex. The town of Olovyannaya is about 12.0 nm northwest of the complex support facility. The Type IIIA launch sites were the first to be deployed at this complex, followed by the Type IIID launch sites. The area of deployed sites falls east of the town of Olovyannaya, and extends about 25 nm in an east-west direction and about 45 nm north-and-south.

This corner of Central Siberia is the least rugged in the whole region. The terrain in and around the complex includes mountains as well as low rolling hills. Elevations range from below 2,400 ft in the river valleys to over 3,400 ft in the mountains. The Onon river lies west of the complex and flows to the north. Drains in the area range from deep cuts in the mountains to relatively shallow ones among the lower hills. All drains in the complex flow generally west into the Onon river. The mountainous areas are for the most part heavily forested and, except for some towns in the valleys of the larger drains, are generally uninhabited. The lower hills have few, if any, trees and are either under cultivation or devoted to cattle raising. Numerous small villages and groups of buildings are scattered throughout this area.

The weather in this region, while severe during the winter, does not appear to seriously hamper year-round operations. Winters are extremely cold, with the lowest mean daily minimum temperature of -32° F occurring during January. Snowfall is light, but low temperatures keep it on the ground from mid-November through March. Skies are frequently clear. Summers are cool-to-warm, with generally increased cloudiness. The mean daily maximum temperature during July is 76° F. Precipitation is at a maximum during the summer, and is usually in the form of showers. Average overall cloudiness in this region is slightly under 60 percent. Clear skies are most prevalent from November through March when about one-third to over one-half of the days are clear. The least number of clear days generally occurs in late spring, summer, or early autumn when only one-third or less days are clear at most locations.

The Olovyannaya Complex is on the single-track rail line that branches off the Trans-Siberian Railroad about 45 nm southeast of Chita, at Tarskiy, and continues southeast across the border into China. A spur from this rail line serves the complex support facility and terminates at the rail-to-road transfer point. A system of local roads and trails joins the towns and villages in the area, but no cross-country highways exist. A well-engineered complex main

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OLOVYANNAYA ICBM COMPLEX, USSR

Component	Type	[redacted]	Geographic Coordinates
Complex Support Facility	--		50-49N 115-50E
Launch Site 1	IIIA		50-54N 115-48E
Launch Site 2	IIIA		50-55N 115-44E
Launch Site 3	IIIA		51-01N 115-57E
Launch Group D			
Launch Site 4D	IIID		51-07N 116-05E
Launch Site 5D	IIID		51-05N 116-08E
Launch Site 6D[a]	IIID		51-04N 116-05E
Launch Site 7D	IIID		51-02N 116-09E
Launch Site 8D	IIID		51-02N 116-03E
Launch Site 9D	IIID		51-03N 115-59E
Launch Site 10D	IIID		51-06N 116-00E
Launch Site 11D	IIID		51-04N 116-14E
Launch Site 12D	IIID		51-08N 116-07E
Launch Site 13D	IIID		51-06N 116-12E
Launch Group E			
Launch Site 14E	IIID		50-59N 116-00E
Launch Site 15E	IIID		50-56N 116-01E
Launch Site 16E	IIID		50-54N 116-01E
Launch Site 17E[a]	IIID		50-55N 115-58E
Launch Site 18E	IIID		50-55N 115-52E
Launch Site 19E	IIID		50-52N 115-56E
Launch Site 20E	IIID		50-59N 115-54E
Launch Site 21E	IIID		50-57N 115-49E
Launch Site 22E	IIID		51-00N 115-47E
Launch Site 23E	IIID		51-00N 115-51E
Launch Group F			
Launch Site 35F	IIID		50-50N 115-56E
Launch Site 36F	IIID		50-48N 115-57E
Launch Site 37F	IIID		50-47N 115-54E
Launch Site 38F	IIID		50-49N 115-51E
Launch Site 39F	IIID		50-51N 116-00E
Launch Site 40F[a]	IIID		50-50N 116-03E
Launch Site 41F	IIID		50-52N 116-07E
Launch Site 42F	IIID		50-49N 116-07E
Launch Site 43F	IIID		50-46N 116-01E
Launch Site 44F	IIID		50-45N 115-58E
Launch Group G			
Launch Site 25G[a]	IIID		50-44N 115-44E
Launch Site 26G	IIID		50-46N 115-41E
Launch Site 27G	IIID		50-47N 115-45E
Launch Site 28G	IIID		50-45N 115-49E
Launch Site 29G	IIID		50-41N 115-50E
Launch Site 30G	IIID		50-40N 115-45E
Launch Site 31G	IIID		50-41N 115-41E
Launch Site 32G	IIID		50-38N 115-49E
Launch Site 33G	IIID		50-38N 115-41E
Launch Site 34G	IIID		50-49N 115-42E
Launch Group H			
Launch Site 45H	IIID		50-40N 115-54E
Launch Site 46H[a]	IIID		50-40N 115-58E
Launch Site 47H	IIID		50-42N 116-01E
Launch Site 48H	IIID		50-44N 116-07E
Launch Site 49H	IIID		50-41N 116-05E
Launch Site 50H	IIID		50-37N 116-03E
Launch Site 51H	IIID		50-42N 115-57E
Launch Site 52H	IIID		50-39N 116-11E
Launch Site 57H	IIID		50-37N 116-07E
Launch Site 58H	IIID		50-41N 116-09E
Launch Group I			
Launch Site 55I[a]	IIID		50-58N 116-12E
Launch Site 56I	IIID		50-59N 116-06E
Launch Site 59I	IIID		50-52N 116-13E
Launch Site 78I	IIID		50-55N 116-08E
Launch Site 81I	IIID		50-58N 116-20E
Launch Site 82I	IIID		50-56N 116-17E
Launch Site 83I	IIID		50-55N 116-22E
Launch Site 84I	IIID		51-00N 116-16E
Launch Site 85I	IIID		51-02N 116-21E
Launch Site 86I	IIID		50-58N 116-25E
Launch Group J			
Launch Site 60J[a]	IIID		50-33N 115-56E
Launch Site 61J	IIID		50-37N 115-53E
Launch Site 62J	IIID		50-36N 115-58E
Launch Site 64J	IIID		50-34N 115-53E
Launch Site 65J	IIID		50-32N 115-49E
Launch Site 73J	IIID		50-35N 115-49E
Launch Site 74J	IIID		50-33N 116-02E
Launch Site 75J	IIID		50-34N 116-07E
Launch Site 76J	IIID		50-30N 116-01E
Launch Site 77J	IIID		50-31N 116-07E
Launch Group K			
Launch Site 63K[a]	IIID		51-12N 116-00E
Launch Site 66K	IIID		51-09N 115-50E
Launch Site 67K	IIID		51-06N 115-49E
Launch Site 68K	IIID		51-08N 115-58E
Launch Site 69K	IIID		51-05N 115-55E
Launch Site 70K	IIID		51-13N 115-55E
Launch Site 71K	IIID		51-11N 116-05E
Launch Site 72K	IIID		51-10N 116-01E
Launch Site 79K	IIID		51-15N 115-58E
Launch Site 80K	IIID		51-13N 116-04E
Launch Site 24X	IIID		50-51N 115-50E

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[a] Control Site.
[a][a] Control Site with L-shaped electronics facility. Possible site not shown on locator map.

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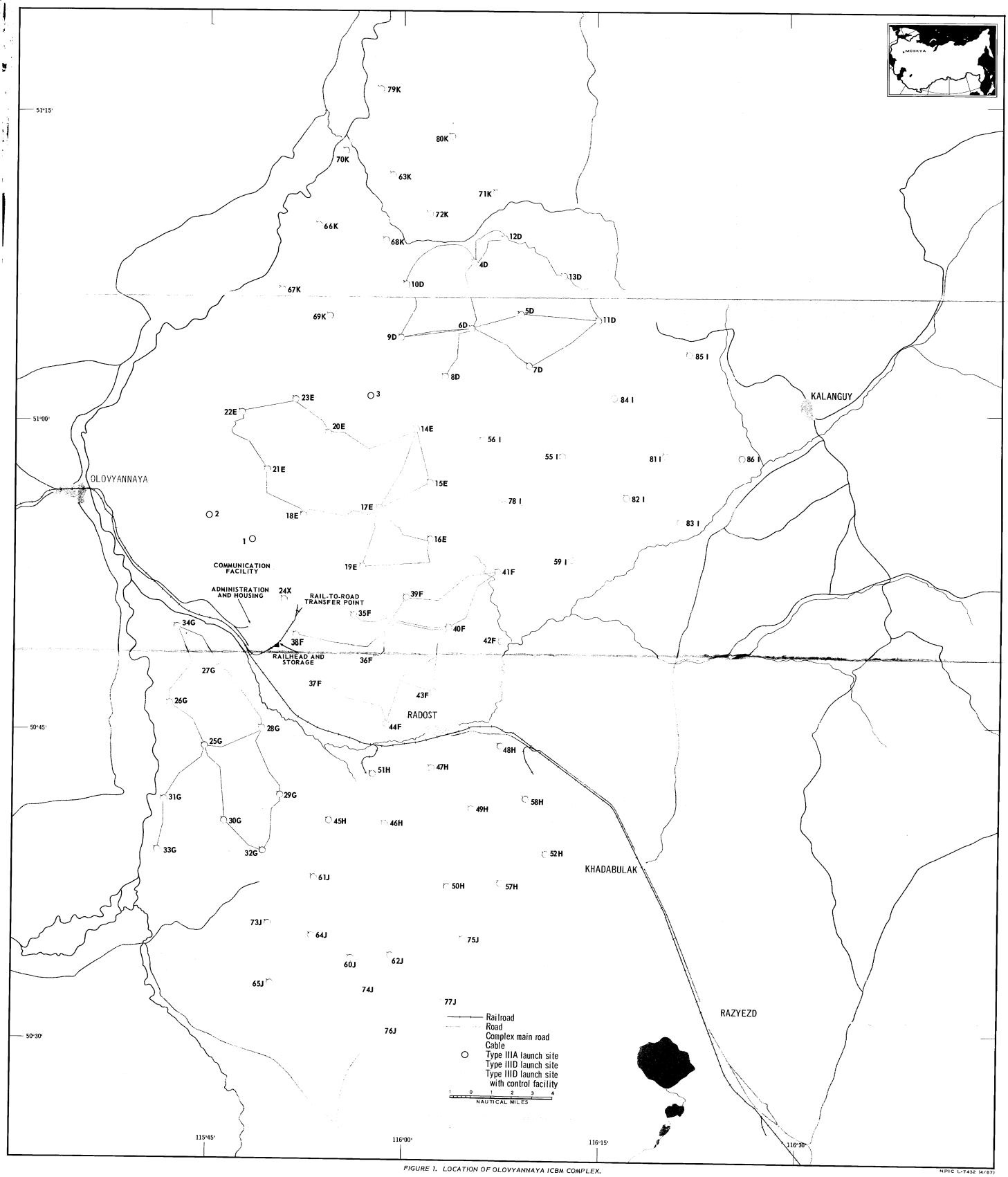

FIGURE 1. LOCATION OF OLOVYANNAYA ICBM COMPLEX.

NPIC L-7432 (4/67)

road system was constructed concurrent with the Type IIIA launch sites. This road system is being expanded to include the Type IIID launch sites as they are completed. Existing roads within the area of deployed sites are inadequate for complex use. The general route of some of the local roads may occasionally be utilized but bridges, curves, and gradients must be improved to meet the more rigid requirements of missile transport.

First evidence of this complex was in [redacted] when activity was noted in the area of the complex support facility. There was no evidence of any launch sites at this time but [redacted] Launch Site 1 (Type IIIA) was identified in an early stage of construction. Launch Sites 2 and 3 (both Type IIIA) were identified in [redacted] respectively. It was not until [redacted] that the last of the Type IIIA sites, Launch Site 3, was considered complete. Meanwhile, [redacted] 2 Type IIID launch sites were identified east of Launch Site 3. [redacted] 18 more Type IIID sites were identified; 28 more [redacted] an additional 32 Type IIID launch sites (plus one possible site) were observed under construction. There are now at this complex, in addition to the 3 Type IIIA launch sites, a total of 8 groups of Type IIID launch sites; all have their full complement of 10 sites. [redacted] Launch Groups E and G were complete, and [redacted] Launch Group D was complete.

The status of future growth at this complex is undetermined at this time. All sites are at least in a midstage of construction, and the last estimated start was in [redacted] If more sites are to be deployed, they should be evident at this time unless the delay is only temporary. There is ample room for expansion to the north and east, with no natural barriers to hamper access into these areas.

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REFERENCES

[redacted]

DOCUMENT

1. NPIC. TCS-80525/66, *Olovyannaya ICBM Complex, USSR,* Jul 66 (TOP SECRET RUFF)

REQUIREMENT

CIA. C-DI5-82,972

NPIC PROJECT

11210/66 (partial answer)